			O_{I}	
	Application No.	Applicant(s)		
Notice of Allowability	10/700,095	DALL'OCCO ET AL	.	
	Examiner	Art Unit		
	Caixia Lu	1713		
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL-1 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED in this a 85) or other appropriate communication RIGHTS. This application is subject	application. If not includ on will be mailed in due	led course. THIS	
1. \boxtimes This communication is responsive to $\underline{\textit{divisional applicate}}$	nion filed on Nov. 3, 2003.			
2. The allowed claim(s) is/are 23-25,30 and 31.				
3. The drawings filed on are accepted by the Exam	iner.			
 4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 				
2. Certified copies of the priority documents have	ave been received in Application No.	<u>09/914,411</u> .		
3. \square Copies of the certified copies of the priority	documents have been received in this	is national stage applica	ation from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DAT noted below. Failure to timely comply will result in ABANDO THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ly complying with the re	equirements	
5. A SUBSTITUTE OATH OR DECLARATION must be su INFORMAL PATENT APPLICATION (PTO-152) which (NOTICE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") r	must be submitted.			
(a) 🔲 including changes required by the Notice of Draftsp	person's Patent Drawing Review (PT	O-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	<u></u> ;			
(b) including changes required by the attached Examin Paper No./Mail Date	ner's Amendment / Comment or in the	Office action of		
Identifying indicia such as the application number (see 37 CF each sheet. Replacement sheet(s) should be labeled as such			e back) of	
 DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREMEN 			Note the	
Attachment(s)			_	
1. Notice of References Cited (PTO-892)	5. Notice of Informal	• • • • • • • • • • • • • • • • • • • •	O-152)	
 Notice of Draftperson's Patent Drawing Review (PTO-94) MInformation Disclosure Statements (PTO-1449 or PTO/S 	Paper No./Mail D	6. ☐ Interview Summary (PTO-413), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment		
Paper No./Mail Date 2/2/04	-			
 Examiner's Comment Regarding Requirement for Depos of Biological Material 	iit 8. ⊠ Examiner's Stater 9.	nent of Reasons for Alle	owance	
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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney William Reid on July 9, 2004.

The application has been amended as follows:

Cancel Claims 33-35.

The scope of claims 33-35 directed to an ethylene copolymer are different from the scope of claims 23-25 and 30-31 which are directed to a ligand compound or a transition metal complex containing a ligand derived from the ligand compound. Claims 23-25 and 30-31 are deemed to be novel, thus, claims 33-35 need to be canceled in order to place claims 23-25 and 30-31 in the condition for allowance.

2. The following is an examiner's statement of reasons for allowance:

The instant claims are directed to ligand compound or a transition metal complex containing a ligand derived from the ligand compound, wherein the structure of the ligand compound contains two bridged moieties, one moiety having a cyclopentadienyl ring and two-five-member-heterocyclic rings and the other moiety is a cyclopentadienyl ring having four nonhydrogen substituents.

Ewen et al. (WO 98/22486) teaches a bridged heterocyclic and cyclopentadienyl group containing ligand compound, Y_jR"iZ_{jj}, and a metallocene complex of formula (I)

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Y_IR"iZ_{jj}MeQ_kP₁, wherein the Y is a six π electron containing heterocyclic group such as cyclopentadithiopene, and Z is a cyclopentadienyl containing group such as fluorenyl. It would have been obvious for a skilled artisan to pick and choose the Y and Z groups and to prepare the ligand compound and metallocene complex containing bridged cyclopentadithiopene (the two-heteroatom, three-ring moiety which reads on the formula (II) of the instant claims) and fluorenyl. However, as indicated in applicants' response filed on July 28, 2003 in the parent application 09/914,411 (allowed), the metallocene catalyst complex prepared from the ligand compound of instant claims provide mush higher activity for ethylene polymerization over the working examples of Ewen. Thus, applicants have criticality and unexpected results of the claimed specified ligand compounds and the transition metal complexes over those of Ewen's. Therefore, the instant claims are deemed to be novel.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached from 9:00 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful and the matter is urgent, the examiner's supervisor, David Wu, can be reached at (571) 272-1114. The

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fax numbers for the organization where this application or proceeding is assigned is (703 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1700.

Caixia Lu, Ph. D. Primary Examiner July 2, 2004